Morbidity and Mortality Weekly Report

PUBLIC HEALTH SERVICE
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the COMMUNICABLE DISEASE CENTER MElrose 4-5131

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended April 1, 1961

Influenza – There have not been any reports of influenza activity in the continental United States with the exception of New York State (Vol. 10, No. 12). Deaths due to influenza and pneumonia for the nation are within limits of seasonal expectancy.

Diphtheria – Pennsylvania had 6 of the 9 cases reported this week. Dr. W. D. Schrack, Director, Communicable Disease Control has notified us that the cases occurred over the period March 10-24 in 3 families of Washington Township, a rural area in Lehigh County (Eastern Pennsylvania). In addition, six asymptomatic carriers have been found. Four cases and 2 carriers were in a single family. All but 2 of the 12 cases and carriers were schoolchildren and they appear to be interrelated through the 2 consolidated schools and school bus system of the township. Ten of the 12 had no history of immunization. To date, toxigenic *mitis* strains have been isolated from 2 cases and 2 carriers. Classroom and school bus cultures are being done to find other carriers. In a mass immunization effort directed by a local physician more than 3,000 doses of pediatric and adult type D-T vaccine have been given. Followup immunizations are planned.

Hepatitis – The sustained high incidence continues. (See graph, page 2.)

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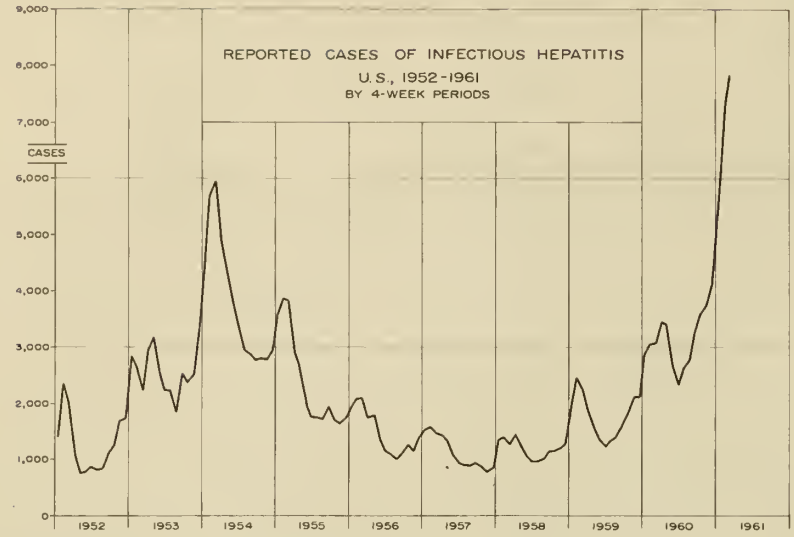
Table I. Cases of Specified Notifiable Diseases, United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	13th Week			Cumulative						Approximate seasonal low point
				First 13 weeks			Since seasonal low week			
* Weekly incidence low or sporadic --- Data not available - Quantity zero	Ended April 1, 1961	Ended April 2, 1960	Median 1956-60	1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
Anthrax-----062	-	-	*	1	6	*	*	*	*	*
Botulism-----049.1	-	-	*	4	3	*	*	*	*	*
Brucellosis (undulant fever)-----044	17	11	16	134	189	184	*	*	*	*
Diphtheria-----055	9	10	11	203	224	260	783	755	963	July 1
Encephalitis, infectious-----082	40	35	35	342	348	306	342	348	306	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,878	840	433	23,161	9,793	6,550	38,368	17,613	11,944	Sept. 1
Malaria-----110-117	-	1	*	8	13	*	*	*	*	*
Measles-----085	14,547	16,428	20,623	151,192	147,733	184,768	187,402	183,346	215,536	Sept. 1
Meningitis, aseptic-----340 pt.	29	27	---	290	368	---	290	368	---	Jan. 1
Meningococcal infections-----057	50	54	58	653	716	753	1,309	1,403	1,545	Sept. 1
Poliomyelitis-----080	4	9	30	107	216	293	3,171	8,490	8,490	Apr. 1
Paralytic-----080.0,080.1	3	5	21	64	154	208	2,172	5,655	5,655	Apr. 1
Nonparalytic-----080.2	1	3	4	25	36	48	647	2,153	2,153	Apr. 1
Unspecified-----080.3	-	1	5	18	26	37	352	682	682	Apr. 1
Psittacosis-----096.2	1	3	*	15	28	*	*	*	*	*
Rabies in man-----094	-	-	*	2	-	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	8,529	9,188	---	124,356	113,641	---	222,008	---	---	Aug. 1
Typhoid fever-----040	14	8	10	115	127	180	818	854	1,192	Apr. 1
Typhus fever, endemic-----101	1	-	*	9	5	*	*	*	*	*
Rabies in animals-----	72	80	95	850	1,101	1,261	1,426	2,081	2,081	Oct. 1



The graph shows reported hepotitis coses in the United Stotes by 4 week periods since 1952. The recent period ending Morch 25 continues the upword trend noted eorlier (Vol. 10, No. 10). However, the rote of oscent hos not been as steep os in the two preceding 1961 periods. On the basis of the weekly trend, the next period ending April 22 should show o leveling off or slight decline. The 1961 cumulotive total of 23,161 coses for the 13-week period ending April 1 is 138 percent above the number reported during o comparoble periad lost yeor and well obove the 17,101 coses reported in 1954. This week 1,878 coses were reported, o slight decline from lost week's totol of 1,914.

Poliomyelitis – Only 4 cases, 3 paralytic, were reported this week. The Pennsylvania case with onset on January 21, in Snyder County is the first 1961 case reported by this State. Other cases include an unvaccinated case in Guernsey County, Ohio, and cases in San Joaquin and Fresno Counties, California.

Thus far in 1961, 5 poliomyelitis deaths including 4 adults have been reported to CDC. Of these, 3 were unvaccinated and 1 had a single dose.

As part of the current nationwide surveillance of enteroviruses, a line listing of isolations from 1961 specimens reported by State laboratories is printed on page 8.

Typhoid – Dr. Samuel Andelman, Health Commissioner, Chicago, reports that since March 24, 12 children age six months to 14 years and one adult, age 24 years, have been hospitalized at the Cook County Hospital with confirmed or suspect typhoid fever. The cases originated in a West Side Chicago neighborhood. Ten of the 13 cases are from two families. An intensive epidemiologic investigation is in progress; typhoid immunizations are being administered extensively throughout this area and to contacts of cases.

EPIDEMIOLOGICAL REPORT

Hepatitis – Mississippi and Alabama

Seventy-seven cases of infectious hepatitis which occurred during the first 3 months of 1961 in Mississippi and Alabama have been traced to the consumption of raw oysters obtained from a localized area at the mouth of the heavily contaminated Pascagoula River (See Volume 10, Number 6).

Known cases were confined to the cities of Pascagoula, Mississippi; Mobile and Troy, Alabama and the immediately surrounding county areas. In each of these cities two-thirds or more of the reported cases gave a history of having eaten raw oysters 20 to 40 days prior to onset of symptoms. The oyster-related cases were predominately adults, many of whom were in the middle and upper socio-economic classes. Among these cases there was rarely a history of contact with a previous case of hepatitis. The following table shows total oyster-related cases in each of the cities and counties involved.

Oyster-Related Hepotitis Coses by Place of Onset

City and County	Total Cases	Age		Oyster Related Cases	Age	
	No.	<20	>20	No.	<20	>20
Jackson County						
Pascagoula	50	22	28	37	13	24
Rest of County	43	32	11	9	4	5
Mobile County						
Mobile	31	5	26	21	0	21
Rest of County	24	16	8	6	1	5
Pike County						
Troy	6	3	3	4	1	3
Total	154	78	76	77	19	58

The source of the oysters consumed in each of these cities could be traced to a single oyster bed located near a beacon at the mouth of the Pascagoula River about a mile below the point where raw sewage from the city is emptied. In the Pascagoula area, several of those who became ill had tonged their oysters directly from this bed, most of the remainder had purchased them from a local

(Continued on page 8.)

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 2, 1960 AND APRIL 1, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Meningitis, aseptic	Brucellosis (undulant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	13th Week		Cumulative, first 13 weeks		13th Week		Cumulative, first 13 weeks		080.2		340 pt.	044
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961
UNITED STATES	4	9	107	216	3	5	64	154	1	3	29	17
NEW ENGLAND	-	-	3	6	-	-	3	6	-	-	2	-
Maine	-	-	-	2	-	-	-	2	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	2	4	-	-	2	4	-	-	2	-
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut	-	-	1	-	-	-	1	-	-	-	-	-
MIDDLE ATLANTIC	1	-	10	32	1	-	9	22	-	-	-	-
New York	-	-	3	28	-	-	2	18	-	-	-	-
New Jersey	-	-	2	3	-	-	2	3	-	-	-	-
Pennsylvania	1	-	5	1	1	-	5	1	-	-	-	-
EAST NORTH CENTRAL	1	2	16	27	1	1	10	7	-	-	6	2
Ohio	1	1	8	15	1	-	4	3	-	-	1	-
Indiana	-	-	1	-	-	-	1	-	-	-	-	-
Illinois	-	-	3	3	-	-	3	2	-	-	3	2
Michigan	-	1	1	7	-	1	1	2	-	-	2	-
Wisconsin	-	-	3	2	-	-	1	-	-	-	-	-
WEST NORTH CENTRAL	-	-	2	13	-	-	2	7	-	-	1	9
Minnesota	-	-	1	8	-	-	1	6	-	-	1	1
Iowa	-	-	-	3	-	-	-	1	-	-	-	7
Missouri	-	-	-	1	-	-	-	-	-	-	-	1
North Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	1	-	-	-	-	-	-	-	-
Nebraska	-	-	1	-	-	-	1	-	-	-	-	-
Kansas	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC	-	2	10	41	-	2	6	34	-	-	2	2
Delaware	-	-	2	-	-	-	1	-	-	-	-	-
Maryland	-	-	-	1	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-	1	-
Virginia	-	-	-	-	-	-	-	-	-	-	1	-
West Virginia	-	1	2	3	-	1	1	3	-	-	-	-
North Carolina	-	-	3	12	-	-	2	12	-	-	-	1
South Carolina	-	-	-	2	-	-	-	2	-	-	-	-
Georgia	-	-	1	2	-	-	1	2	-	-	-	-
Florida	-	1	2	21	-	1	1	15	-	-	-	1
EAST SOUTH CENTRAL	-	-	13	8	-	-	2	7	-	-	2	1
Kentucky	-	-	13	6	-	-	2	5	-	-	1	-
Tennessee	-	-	-	-	-	-	-	-	-	-	-	-
Alabama	-	-	-	1	-	-	-	1	-	-	-	-
Mississippi	-	-	-	1	-	-	-	1	-	-	1	1
WEST SOUTH CENTRAL	-	1	13	11	-	-	5	8	-	1	3	2
Arkansas	-	-	1	-	-	-	-	-	-	-	-	2
Louisiana	-	-	3	5	-	-	2	4	-	-	-	-
Oklahoma	-	-	-	1	-	-	-	1	-	-	-	-
Texas	-	1	9	5	-	-	3	3	-	1	3	-
MOUNTAIN	-	-	15	11	-	-	9	7	-	-	3	1
Montana	-	-	1	4	-	-	1	3	-	-	-	-
Idaho	-	-	3	4	-	-	1	1	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-	-
Colorado	-	-	3	-	-	-	3	-	-	-	-	-
New Mexico	-	-	1	-	-	-	-	-	-	-	3	1
Arizona	-	-	2	2	-	-	1	2	-	-	-	-
Utah	-	-	5	1	-	-	3	1	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	2	4	25	67	1	2	18	56	1	2	10	-
Washington	-	-	-	6	-	-	-	6	-	-	-	-
Oregon	-	1	2	11	-	1	1	7	-	-	1	-
California	2	3	22	49	1	1	16	42	1	2	9	-
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	1	1	-	-	1	1	-	-	-	-
Puerto Rico	1	1	2	26	1	1	2	26	-	-	-	-

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 2, 1960 AND APRIL 1, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

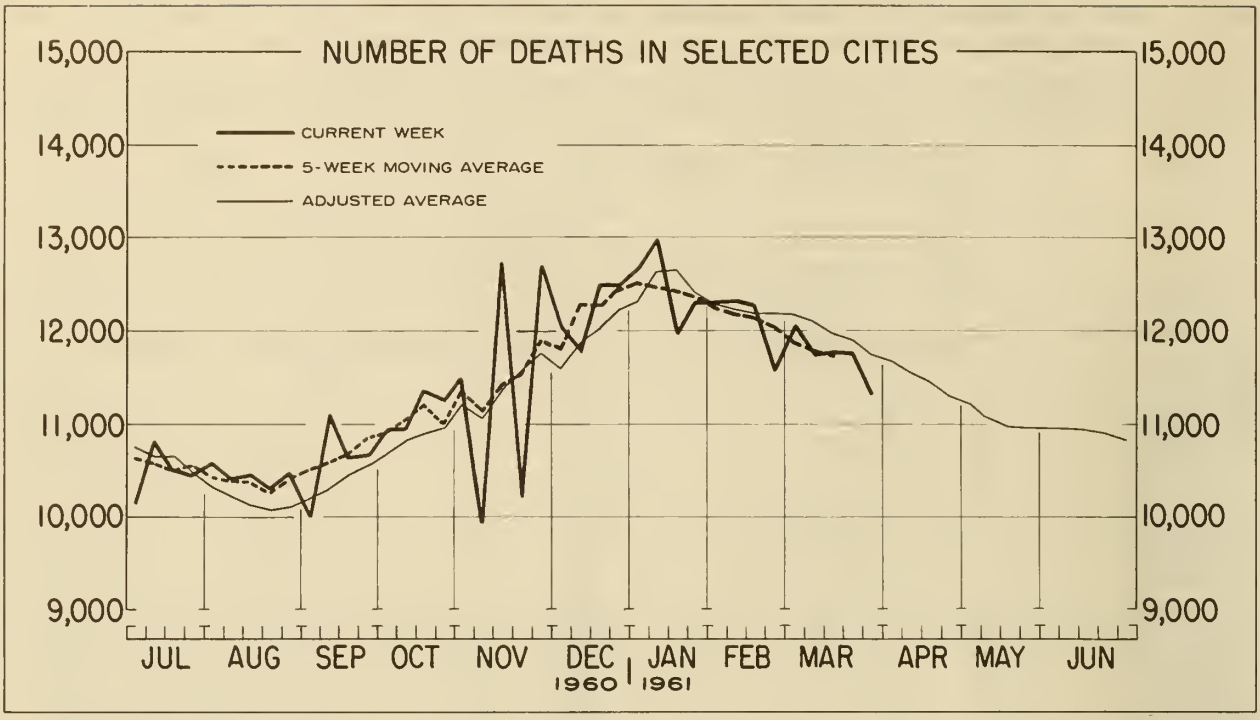
Area	Diphtheria 055				Encephalitis, infectious 082		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles 085	
	13th Week		Cumulative, first 13 weeks				13th Week		Cumulative, first 13 weeks			
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES	9	10	203	224	40	35	1,878	840	23,161	9,793	14,547	16,428
NEW ENGLAND	-	-	2	6	6	3	41	26	671	324	1,322	776
Maine	-	-	-	2	-	-	1	1	32	22	20	141
New Hampshire	-	-	-	-	-	-	1	4	46	9	70	13
Vermont	-	-	-	-	-	-	5	-	101	5	3	105
Massachusetts	-	-	2	3	3	1	20	15	224	169	628	-
Rhode Island	-	-	-	1	2	2	4	1	90	57	395	88
Connecticut	-	-	-	-	1	-	10	5	178	62	206	429
MIDDLE ATLANTIC	6	-	10	7	5	10	239	98	3,476	942	2,219	2,658
New York	-	-	3	1	1	6	120	39	1,417	476	1,030	2,132
New Jersey	-	-	-	1	2	3	65	12	842	68	549	385
Pennsylvania	6	-	7	5	2	1	54	47	1,217	398	640	141
EAST NORTH CENTRAL	-	1	5	20	2	1	353	203	4,430	1,947	4,404	4,904
Ohio	-	1	-	13	-	-	117	82	1,725	571	918	741
Indiana	-	-	-	3	-	1	58	31	723	293	207	427
Illinois	-	-	4	2	-	-	45	43	706	405	480	1,002
Michigan	-	-	1	2	2	-	132	45	1,159	559	1,093	1,377
Wisconsin	-	-	-	-	-	-	1	2	117	119	1,706	1,357
WEST NORTH CENTRAL	1	-	13	12	-	-	190	67	2,327	860	540	418
Minnesota	-	-	6	3	-	-	22	10	545	88	14	333
Iowa	-	-	1	2	-	-	87	6	595	161	234	31
Missouri	-	-	-	1	-	-	30	29	548	313	173	13
North Dakota	-	-	-	1	-	-	7	2	48	78	50	31
South Dakota	1	-	5	4	-	-	5	2	99	90	-	-
Nebraska	-	-	1	-	-	-	20	3	228	61	69	10
Kansas	-	-	-	1	-	-	19	15	264	69	NN	NN
SOUTH ATLANTIC	1	1	37	52	4	2	241	117	2,664	1,134	1,433	892
Delaware	-	-	-	-	-	-	25	6	85	56	84	7
Maryland	-	-	1	-	1	1	21	14	252	119	128	170
District of Columbia	1	-	1	-	-	-	4	2	26	10	4	78
Virginia	-	-	6	8	-	-	28	26	322	281	379	176
West Virginia	-	-	1	1	-	-	44	20	576	239	225	127
North Carolina	-	-	5	1	2	1	53	7	629	59	267	38
South Carolina	-	1	-	13	-	-	17	5	187	30	89	49
Georgia	-	-	7	8	-	-	30	9	279	106	48	3
Florida	-	-	16	21	1	-	19	28	308	234	209	244
EAST SOUTH CENTRAL	-	2	5	23	-	-	341	98	4,021	1,531	1,242	1,360
Kentucky	-	-	2	-	-	-	72	43	1,207	654	554	460
Tennessee	-	2	2	5	-	-	143	36	1,668	481	496	756
Alabama	-	-	1	12	-	-	73	11	656	293	143	50
Mississippi	-	-	-	6	-	-	53	8	490	103	49	94
WEST SOUTH CENTRAL	1	5	126	77	-	5	119	73	1,568	709	522	2,834
Arkansas	-	-	1	1	-	-	24	4	319	33	56	45
Louisiana	-	3	12	17	-	-	11	1	118	28	1	5
Oklahoma	-	-	2	5	-	1	4	8	108	117	-	27
Texas	1	2	111	54	-	4	80	60	1,023	531	465	2,757
MOUNTAIN	-	1	5	26	-	1	93	64	1,505	876	684	728
Montana	-	1	2	2	-	-	12	6	160	44	75	66
Idaho	-	-	-	11	-	-	6	4	84	126	56	113
Wyoming	-	-	-	5	-	1	10	1	59	6	4	3
Colorado	-	-	3	2	-	-	31	27	494	252	97	189
New Mexico	-	-	-	2	-	-	7	13	228	152	NN	-
Arizona	-	-	-	1	-	-	10	9	161	200	416	130
Utah	-	-	-	3	-	-	15	4	276	80	32	200
Nevada	-	-	-	-	-	-	2	-	43	16	4	27
PACIFIC	-	-	-	1	23	13	261	94	2,499	1,470	2,181	1,858
Washington	-	-	-	-	-	-	46	11	324	173	317	454
Oregon	-	-	-	-	-	-	38	18	456	279	170	293
California	-	-	-	-	23	13	130	62	1,588	910	1,678	951
Alaska	-	-	-	1	-	-	46	2	111	75	10	17
Hawaii	-	-	-	-	-	-	1	1	20	33	6	143
Puerto Rico	1	6	24	62	-	-	15	47	144	302	22	45

NN-Not Notifiable

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 2, 1960 AND APRIL 1, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria 110-117	Meningoccocal infections 057		Psitta-cosis 096.2	Strepto-coccal sore throat, etc. 050,051	Typhoid fever 040				Typhus fever, endemic 101	Rabies in animals	
						13th Week		Cumulative, first 13 weeks				
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES	-	50	54	1	8,529	14	8	115	127	1	72	80
NEW ENGLAND	-	5	7	-	729	1	-	3	1	-	-	-
Maine	-	1	-	-	51	-	-	1	-	-	-	-
New Hampshire	-	-	-	-	25	-	-	-	-	-	-	-
Vermont	-	-	1	-	12	-	-	-	-	-	-	-
Massachusetts	-	2	3	-	254	-	-	1	1	-	-	-
Rhode Island	-	-	2	-	69	1	-	1	-	-	-	-
Connecticut	-	2	1	-	318	-	-	-	-	-	-	-
MIDDLE ATLANTIC	-	10	14	1	1,160	-	-	8	5	-	1	3
New York	-	3	10	1	716	-	-	3	3	-	1	3
New Jersey	-	2	-	-	284	-	-	1	-	-	-	-
Pennsylvania	-	5	4	-	160	-	-	4	2	-	-	-
EAST NORTH CENTRAL	-	9	6	-	1,135	-	2	7	12	-	5	10
Ohio	-	1	1	-	247	-	-	4	1	-	1	-
Indiana	-	-	2	-	193	-	2	1	4	-	1	3
Illinois	-	2	1	-	185	-	-	-	3	-	1	-
Michigan	-	6	1	-	299	-	-	1	4	-	2	7
Wisconsin	-	-	1	-	211	-	-	1	-	-	-	-
WEST NORTH CENTRAL	-	3	-	-	259	1	-	10	8	-	22	13
Minnesota	-	1	-	-	9	1	-	4	-	-	2	5
Iowa	-	-	-	-	73	-	-	1	-	-	8	2
Missouri	-	2	-	-	29	-	-	4	7	-	6	5
North Dakota	-	-	-	-	68	-	-	-	-	-	1	-
South Dakota	-	-	-	-	-	-	-	-	1	-	4	-
Nebraska	-	-	-	-	-	-	-	-	-	-	1	-
Kansas	-	-	-	-	80	-	-	1	-	-	-	1
SOUTH ATLANTIC	-	6	10	-	614	6	-	23	19	-	5	12
Delaware	-	-	1	-	17	-	-	-	-	-	-	-
Maryland	-	2	-	-	46	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	2	-	-	1	1	-	-	-
Virginia	-	1	2	-	181	-	-	-	3	-	1	10
West Virginia	-	1	2	-	244	1	-	4	1	-	4	1
North Carolina	-	1	2	-	29	3	-	5	7	-	-	-
South Carolina	-	-	-	-	27	1	-	2	5	-	-	-
Georgia	-	-	-	-	9	-	-	9	-	-	-	1
Florida	-	1	3	-	59	1	-	2	2	-	-	-
EAST SOUTH CENTRAL	-	1	7	-	1,667	-	1	17	28	-	11	14
Kentucky	-	-	-	-	409	-	-	4	10	-	1	3
Tennessee	-	-	3	-	1,204	-	1	11	16	-	5	8
Alabama	-	1	2	-	16	-	-	2	2	-	5	3
Mississippi	-	-	2	-	38	-	-	-	-	-	-	-
WEST SOUTH CENTRAL	-	4	2	-	539	3	4	20	33	1	16	27
Arkansas	-	-	1	-	15	-	-	2	12	-	2	7
Louisiana	-	-	-	-	3	1	1	3	10	-	2	-
Oklahoma	-	2	-	-	23	-	-	2	2	-	-	1
Texas	-	2	1	-	498	2	3	13	9	1	12	19
MOUNTAIN	-	3	3	-	1,407	1	1	12	9	-	4	-
Montana	-	-	-	-	47	-	1	1	5	-	-	-
Idaho	-	-	-	-	134	-	-	-	-	-	-	-
Wyoming	-	-	-	-	41	-	-	-	-	-	-	-
Colorado	-	-	1	-	429	-	-	5	-	-	2	-
New Mexico	-	1	-	-	334	1	-	2	4	-	2	-
Arizona	-	1	-	-	165	-	-	2	-	-	-	-
Utah	-	1	1	-	254	-	-	1	-	-	-	-
Nevada	-	-	1	-	3	-	-	1	-	-	-	-
PACIFIC	-	9	5	-	1,019	2	-	15	12	-	8	1
Washington	-	-	1	-	441	-	-	1	-	-	-	-
Oregon	-	-	-	-	50	-	-	-	-	-	-	-
California	-	8	3	-	463	2	-	14	12	-	8	1
Alaska	-	1	1	-	64	-	-	-	-	-	-	-
Hawaii	-	-	-	-	1	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	20	-	1	5	14	-	1	6



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	13th week ended April 1, 1961	12th week ended March 25, 1961	Adjusted average, 13th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 13 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES	11,319	11,746	11,759	-3.7	157,175	168,679	-6.8
New England (14 cities)	679	695	712	-4.6	9,615	10,752	-10.6
Middle Atlantic (20 cities)	3,478	3,500	3,284	+5.9	45,207	45,758	-1.2
East North Central (21 cities)	2,235	2,425	2,468	-9.4	32,763	36,178	-9.4
West North Central (9 cities)	709	771	826	-14.2	10,513	11,812	-11.0
South Atlantic (11 cities)	959	982	1,002	-4.3	13,571	14,927	-9.1
East South Central (8 cities)	547*	545	538	+1.7	7,332	7,778	-5.7
West South Central (13 cities)	976	1,000	1,048	-6.9	13,651	15,114	-9.7
Mountain (8 cities)	379	377	371	+2.2	5,035	5,158	-2.4
Pacific (13 cities)	1,357*	1,451	1,510	-10.1	19,488	21,202	-8.1

*Includes estimate for missing reports.

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	13th week ended April 1, 1961	12th week ended March 25, 1961	Cumulative, first 13 weeks	
			1961	1960
NEW ENGLAND:				
Boston, Mass.	221	240	3,301	3,762
Bridgeport, Conn.	33	24	512	608
Cambridge, Mass.	24	32	388	462
Fall River, Mass.	26	33	361	442
Hartford, Conn.	34	49	610	689
Lowell, Mass.	28	25	338	345
Lynn, Mass.	33	23	311	371
New Bedford, Mass.	25	31	373	357
New Haven, Conn.	47	43	608	647
Providence, R.I.	67	60	827	931
Somerville, Mass.	9	16	174	223
Springfield, Mass.	47	39	655	709
Waterbury, Conn.	32	23	383	399
Worcester, Mass.	53	57	774	807
MIDDLE ATLANTIC:				
Albany, N.Y.	57	52	650	612
Allentown, Pa.	29	23	449	486
Buffalo, N.Y.	158	155	1,949	2,096
Camden, N.J.	54	41	562	642
Elizabeth, N.J.	37	34	403	425
Erie, Pa.	50	37	530	521
Jersey City, N.J.	51	75	949	1,021
Newark, N.J.	86	108	1,398	1,411
New York City, N.Y.	1,847	1,896	23,290	22,975
Paterson, N.J.	34	34	516	569
Philadelphia, Pa.	544	520	7,130	7,116
Pittsburgh, Pa.	202	172	2,616	2,833
Reading, Pa.	14	20	288	338
Rochester, N.Y.	107	107	1,378	1,475
Schenectady, N.Y.	27	18	329	339
Scranton, Pa.	28	35	489	541
Syracuse, N.Y.	57	64	814	911
Trenton, N.J.	33	52	622	581
Utica, N.Y.	34	30	404	422
Yonkers, N.Y.	29	27	441	444
EAST NORTH CENTRAL:				
Akron, Ohio	58	62	763	813
Canton, Ohio	39	21	415	514
Chicago, Ill.	600	720	9,826	11,109
Cincinnati, Ohio	143	162	2,072	2,368
Cleveland, Ohio	175	216	2,800	3,169
Columbus, Ohio	102	116	1,483	1,747
Dayton, Ohio	79	73	1,118	1,024
Detroit, Mich.	332	341	4,506	4,936
Evansville, Ind.	30	44	479	541
Flint, Mich.	50	37	570	547
Fort Wayne, Ind.	46	37	533	530
Gary, Ind.	30	24	412	426
Grand Rapids, Mich.	40	45	600	570
Indianapolis, Ind.	145	160	1,977	2,100
Madison, Wis.	38	28	417	430
Milwaukee, Wis.	91	108	1,598	1,797
Peoria, Ill.	28	30	385	426
Rockford, Ill.	30	29	376	398
South Bend, Ind.	15	29	369	430
Toledo, Ohio	106	92	1,323	1,479
Youngstown, Ohio	58	51	741	824
WEST NORTH CENTRAL:				
Des Moines, Iowa	44	57	689	792
Duluth, Minn.	23	22	344	371
Kansas City, Kans.	38	26	505	506
Kansas City, Mo.	100	129	1,714	1,866
Lincoln, Nebr.	(28)	(31)	(392)	(359)
Minneapolis, Minn.	107	120	1,655	1,728
Omaha, Nebr.	82	77	944	1,090
WEST NORTH CENTRAL—Con.:				
St. Louis, Mo.	239	233	3,190	3,776
St. Paul, Minn.	43	70	881	1,040
Wichita, Kans.	33	37	591	643
SOUTH ATLANTIC:				
Atlanta, Ga.	122	90	1,594	1,718
Baltimore, Md.	255	270	3,391	3,804
Charlotte, N.C.	31	48	497	645
Jacksonville, Fla.	60	51	813	958
Miami, Fla.	69	75	1,020	1,076
Norfolk, Va.	38	51	648	656
Richmond, Va.	62	74	1,093	1,181
Savannah, Ga.	34	25	473	562
St. Petersburg, Fla.	(78)	(79)	(1,056)	(1,119)
Tampa, Fla.	54	77	938	957
Washington, D.C.	198	187	2,580	2,795
Wilmington, Del.	36	34	524	575
EAST SOUTH CENTRAL:				
Birmingham, Ala.	89*	75	1,199	1,273
Chattanooga, Tenn.	36	46	678	721
Knoxville, Tenn.	18	29	388	447
Louisville, Ky.	138	162	1,606	1,674
Memphis, Tenn.	128	109	1,635	1,647
Mobile, Ala.	39	40	559	619
Montgomery. Ala.	29	24	445	526
Nashville Tenn.	70	60	822	871
WEST SOUTH CENTRAL:				
Austin, Tex.	36	27	458	553
Baton Rouge, La.	19	29	380	455
Corpus Christi, Tex.	18	40	333	376
Dallas, Tex.	134	123	1,693	1,799
El Paso, Tex.	40	43	510	578
Fort Worth, Tex.	60	69	914	962
Houston, Tex.	206	140	2,388	2,528
Little Rock, Ark.	54	51	750	888
New Orleans, La.	141	145	2,282	2,726
Oklahoma City, Okla.	73	82	1,062	1,088
San Antonio, Tex.	96	102	1,392	1,545
Shreveport, La.	54	57	722	741
Tulsa, Okla.	45	92	767	875
MOUNTAIN:				
Albuquerque, N. Mex.	35	32	428	439
Colorado Springs, Colo.	14	18	221	251
Denver, Colo.	112	103	1,572	1,727
Ogden, Utah	14	17	203	243
Phoenix, Ariz.	85	89	1,163	1,090
Pueblo, Colo.	16	18	215	210
Salt Lake City, Utah	53	52	668	683
Tucson, Ariz.	50	48	565	515
PACIFIC:				
Berkeley, Calif.	19	20	228	252
Fresno, Calif.	(49)	(32)	(586)	(704)
Glendale, Calif.	(26)	(31)	(429)	(573)
Honolulu, Hawaii	35	42	528	574
Long Beach, Calif.	49	55	791	777
Los Angeles, Calif.	476	505	7,063	7,835
Oakland, Calif.	96	92	1,300	1,375
Pasadena, Calif.	26	37	432	506
Portland, Oreg.	92	118	1,348	1,511
Sacramento, Calif.	62	49	839	860
San Diego, Calif.	86	99	1,217	1,349
San Francisco, Calif.	187*	221	2,815	2,909
San Jose, Calif.	(39)	(33)	(462)	(395)
Seattle, Wash.	143	130	1,781	1,983
Spokane, Wash.	50	34	603	642
Tacoma, Wash.	36	49	543	629
San Juan, P. R.	(---)	(31)	(406)	(470)

*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

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commercial source. Oyster-related cases in Troy were derived from the same commercial source.

Oysters consumed by cases in the Mobile area had been obtained from a downtown restaurant and other local distributors. However, they were traced back through fishermen who admitted tonging oysters at the mouth of the Pascagoula River.

Hepatitis cases were investigated also in other Gulf Coast cities including Biloxi, Gulfport, Panama City, Pensacola, Apalachicola, and Port St. Joe. Few cases had occurred in these cities and they were not oyster related; most were under 20 years of age.

Although hepatitis cases were associated with oysters from the river mouth and not the Pascagoula Reef located west of the river, multiple water samples taken over the reef on February 10 had coliform counts far in excess of minimum shellfish certification standards. On this basis, the entire Pascagoula oyster fishing area was closed on February 18, 1961.

No hepatitis cases ascribed to contaminated oysters have occurred since March 8.

This report is a summary of an investigation carried out by the State Health Departments of Alabama and Mississippi and the Communicable Disease Center and Shellfish Sanitation Section of the U. S. Public Health Service.

INTERNATIONAL NOTES

Smallpox – The WHO Weekly Epidemiological Record, No. 13, March 30, 1961, reports the details of an imported case of smallpox in the Ansbach, Bavarian region, West Germany. The case arrived in Frankfurt am Main March 11, on Pan-American World Airways Flight #1 from Karachi, Pakistan en route to New York. The case became ill on March 19, was hospitalized on March 25 and confirmed as smallpox on March 29. No secondary cases have been reported.

Enteravirus Surveillance

Reports on Isolations from Stote Lobaratories an 1961 Specimens

State	Type	Isalates	Dates of Specimens	Reparted by
Florido	Polio I	1	1-24-61	N. J. Schneider
Howoii	Polio I	1	2-16-61	K. S. Wilcox
Idoho	Polio I	4*	Jonuory	A. W. Klotz
Morylond	Non-Polio Enterovirus	2	2-27-61	C. A. Perry
Texas	Polio III	1	Februory	J. V. Irons

*All from one family – only one having clinical symptoms.

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

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